



Journal of Lightwave Technology - Optical Fiber and Photonics

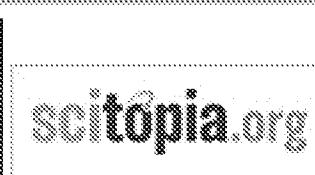
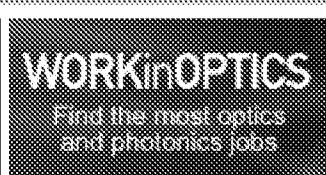
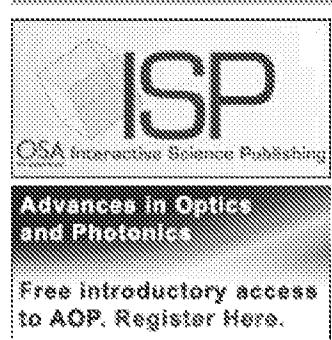
[RSS Feed](#) | [Email Alerts](#)

| [Contact Us](#) | [Subscribe](#) | [Login](#)

[Select Another Publication](#)

- [Home](#)
- [About](#)
- [OSA](#)
- [Help](#)
- [Early Posting](#)
- [ISP](#)

- [Authors](#)
- [Librarians](#)
- [Member Subscribers](#)



ISP
OSA Interactive Science Publishing

OSA
Membership

WORKNOPTICS
FORUMS | NEWS | BLOGS
EDUCATION | RESOURCES
CONFERENCES | TOOLS

scitopia.org

Advances in Optics and Photonics

Free introductory access to AOP. Register Here.

[Optics InfoBase](#) > [Search Results](#)

[<< Previous](#)

Results 1-16 of 16

Sort By: [Relevance](#) | [Most Recent](#)

[Next >>](#)

Export and save citations. Select articles then choose an action. 

[Select all](#)

Icons indicate any special status.



Mode Calculations for a Terahertz Quantum Cascade Laser

- [Abstract](#)
- | [Full Text: PDF](#)

- Optics Express, Vol. 12 Issue 10, pp.2062-2069 (2004)
- Sachs, R; Roskos, H
- We calculate the loss and confinement factors of modes in terahertz quantum cascade laser structures at frequencies of 1-4 THz. The determination of the total loss splits naturally...



Active and passive frequency stabilization for a Q-switched Z-fold radio-frequency-excited waveguide CO₂ laser with two channels

- [Abstract](#)
- | Full Text: [PDF](#)
- Applied Optics, Vol. 44 Issue 29, pp.6269-6273 (2005)
- Tian, Zhaoshuo; Qu, Shiliang; Sun, Zhenghe
- We report on passive offset frequency stability in free-running applications and active offset frequency stability achieved by use of a frequency-locking technique for a...



Investigation of the Pulsed Heterodyne of an Electro-Optically Q-Switched Radio-Frequency-Excited CO₂ Waveguide Laser with Two Channels

- [Abstract](#)
- | Full Text: [PDF](#)
- Applied Optics, Vol. 40 Issue 18, pp.3033-3037 (2001)
- Tian, Zhaoshuo; Wang, Qi; Wang, Chunhui
- We present the results of our theoretical and experimental investigation of the pulsed heterodyne of an electro-optically *Q*-switched radio-frequency-excited CO₂...



Planar geometry thin-film all-optical programmable switch

- [Abstract](#)
- | Full Text: [PDF](#)
- Applied Optics, Vol. 35 Issue 32, pp.6390-6396 (1996)
- Ranon, P M; Dajani, I; Kopf, D C; Alley, T G; White, W R; Kester, J J
- We describe an all-optical programmable switch that can perform logic gate functions. This switch consists of a planar geometry germanium-doped silica waveguide, a *Q*-switched...



Multiplex frequency conversion of unamplified 30-fs Ti: sapphire laser pulses by an array of waveguiding wires in a random-hole microstructure fiber

- [Abstract](#)

- | Full Text: [PDF](#)
- Optics Express, Vol. 12 Issue 25, pp.6129-6134 (2004)
- Hu, Minglie; Wang, Ching-yue; Li, Yanfeng; Wang, Zhuan; Chai, Lu; Zheltikov, Aleksei
- An array of fused silica waveguiding channels with randomly distributed transverse sizes in a disordered microstructure fiber is shown to allow a highly efficient broadly tunable...



Highly efficient quasi-phase-matched second-harmonic generation by frequency doubling of a high-frequency superimposed laser diode

- [Abstract](#)
- | Full Text: [PDF](#)
- Optics Letters, Vol. 20 Issue 3, pp.273-275 (1995)
- Yamamoto, Kazuhisa; Mizuuchi, Kiminori; Kitaoka, Yasuo; Kato, Makoto
- We report highly efficient blue-light generation by frequency doubling of a high-frequency superimposed laser diode, stabilized by a grating feedback technique, in a periodically...



Electrooptically Q-switched CO₂ waveguide laser

- [Abstract](#)
- | Full Text: [PDF](#)
- Applied Optics, Vol. 18 Issue 16, pp.2824-2826 (1979)
- Marcus, S; Carter, G M
- A flowing-gas CO₂ waveguide laser whose cw output is 13 W has been electrooptically *Q*-switched repetitively at rates up to 108 kHz and, with a 20% duty cycle, up to...



Continuous-wave and passively Q-switched cladding-pumped planar waveguide lasers

- [Abstract](#)
- | Full Text: [PDF](#)
- Optics Letters, Vol. 26 Issue 12, pp.881-883 (2001)
- Beach, R J; Mitchell, S C; Meissner, H E; Meissner, O R; Krupke, W F; McMahon, J M; Bennett, W J; Shepherd, D P
- Greater than 12 W of average output power has been generated from a diode-pumped Yb:YAG cladding-pumped planar waveguide laser. The laser radiation developed is linearly polarized...



Theoretical study of a modulator for a waveguide second-harmonic generator

- [Abstract](#)
- | Full Text: [PDF](#)
- JOSA B, Vol. 10 Issue 3, pp.459- 468 (1993)
- Helmfrid, Sten; Tatsuno, Kimio; Ito, Kenchi
- A novel intensity modulator for second-harmonic waveguide lasers is proposed and theoretically analyzed. Noise caused by spectrum broadening in a diode-laser direct-modulation scheme...



Coherent Interactions between Optical Waveguides and Lasers

- [Abstract](#)
- | Full Text: [PDF](#)
- JOSA, Vol. 58 Issue 9, pp.1176-1182 (1968)
- KAPANY, N S; BURKE, J J; FRAME, K L; WILCOX, R E
- Theoretical and experimental studies of the electromagnetic coupling between parallel, passive, glass-fiber waveguides and active (Nd³⁺-doped laser) resonators are reported....



Harmonically mode-locked Ti:Er:LiNbO₃ waveguide laser

- [Abstract](#)
- | Full Text: [PDF](#)
- Optics Letters, Vol. 20 Issue 6, pp.596-598 (1995)
- Suche, H; Wessel, R; Westenhöfer, S; Sohler, W; Bosso, S; Carmannini, C; Corsini, R
- Active mode locking of an Er-diffusion-doped Ti:LiNbO₃ waveguide laser by intracavity phase modulation to as high as the fourth harmonic (5.12 GHz) of the axial-mode...



High-frequency beam steering in vertical-cavity surface-emitting lasers: optical gain and waveguiding effects

- [Abstract](#)
- | Full Text: [PDF](#)
- JOSA B, Vol. 16 Issue 11, pp.2045-2054 (1999)
- Valle, A; Rees, P; Pesquera, L; Shore, K A
- Static and dynamic characteristics of weakly index-guided vertical-cavity surface-emitting lasers in a multi-transverse-mode regime are analyzed by use of a model that takes into...



Spatiotemporal emission dynamics of ridge waveguide laser diodes: picosecond pulsing and

switching

- [Abstract](#)
- | Full Text: [PDF](#)

- JOSA B, Vol. 16 Issue 11, pp.2015-2022 (1999)
- Ziegler, M O; Münkel, M; Burkhard, T; Jennemann, G; Fischer, I; Elsässer, W
- We report on the observation of spatiotemporal dynamics on picosecond time scales for an antireflection-coated ridge waveguide laser diode that is only 5 μm wide. Depending on the...



Milliwatt-peak-power pulse characterization at 1.55 μm by wavelength-conversion frequency-resolved optical gating

- [Abstract](#)
- | Full Text: [PDF](#)

- Optics Letters, Vol. 27 Issue 10, pp.863-865 (2002)
- Lacourt, Pierre-Ambroise; Dudley, John M; Merolla, Jean-Marc; Porte, Henri; Goedgebuer, Jean-Pierre; Rhodes, William T
- A novel wavelength-conversion configuration based on four-wave mixing in an optical fiber has been used to generate a frequency-resolved optical gating (FROG) trace identical to that...



Efficient frequency doubling of a pulsed laser diode by use of a periodically poled KTP waveguide crystal with Bragg gratings

- [Abstract](#)
- | Full Text: [PDF](#)

- Optics Letters, Vol. 26 Issue 24, pp.1961-1962 (2001)
- Rafailov, E U; Birkin, D J L; Sibbett, W; Battle, P; Fry, T; Mohatt, D
- Blue light with an average power of as much as 7.5 mW in picosecond pulses has been generated at 486, 488, and 491 nm from a frequency-doubled, nonresonant injection seeded,...



Extended-cavity operation of rare-earth-doped glass waveguide lasers

- [Abstract](#)
- | Full Text: [PDF](#)

- Optics Letters, Vol. 16 Issue 14, pp.1095-1097 (1991)
- Sanford, N A; Malone, K J; Larson, D R
- Channel waveguides fabricated in Nd-doped glass were used as gain elements for extended-cavity lasers. End-fire pumping was performed with a Ti:sapphire laser operating at 807 nm....

Export and save citations. Select articles then choose an action. [?](#)

Select all

<< Previous

Results 1-16 of 16

Sort By: [Relevance](#) | [Most Recent](#)

Next >>

[Journal Search](#) [Article Lookup](#)

Select a Journal:

Optics InfoBase

Search by title, abstract, or author

[Advanced Search](#)

[Recent ToC Categories \(Beta\)](#)

Was this search useful? [Yes](#) - [No](#)

Refine search for full record: frequency and laser and waveguide and switch

Frequent OCIS Categories:

- [Lasers and laser optics](#)
 - [Diode lasers \(3\)](#)
- [Lasers and laser optics](#)
 - [Lasers and laser optics \(2\)](#)
- [Lasers and laser optics](#)
 - [Lasers, carbon dioxide \(2\)](#)

Select an OCIS Code to filter

- [Coherence and statistical optics \(1\)](#)
- [Detectors \(1\)](#)
- [Fiber optics and optical communications \(2\)](#)
- [Fourier optics and signal processing \(1\)](#)
- [Lasers and laser optics \(7\)](#)
- [Nonlinear optics \(3\)](#)
- [Optical devices \(2\)](#)
- [Optoelectronics \(1\)](#)
- [Ultrafast optics \(2\)](#)

Select a Journal/Conference to filter

- [JOSA B \(3\)](#)
- [Optics Letters \(6\)](#)
- [Optics Express \(2\)](#)
- [JOSA \(1\)](#)

- [Applied Optics \(4\)](#)

© Copyright 2008 Optical Society of America
All Rights Reserved | [Privacy Statement](#) | [Terms of Use](#)

